

# SITE-SURVEY PLAN

for the

# RAMP

## ASCAN PROJECT

September 10, 1993

Prepared for the

United States  
Department of Defense

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**PROPRIETARY INFORMATION**

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**TECHNOLOGY**

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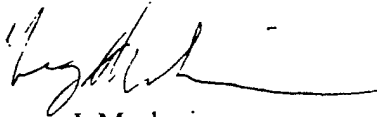
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March 3, 1999

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*12/01: Statement*  
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The RAMP Program documentation's controlling agency transferred from the U.S. Navy to the Defense Logistics Agency (DLA) October 1, 1998. DLA's RAMP Program point of contact is Mr. Don O'Brien, Chief, Technical Enterprise Team, Defense Logistics Support Center, 8725 John J. Kingman Rd., Suite 3135, Ft. Belvoir, VA 22060. Mr. O'Brien may be reached at (703) 767-1414.

  
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## **1 OVERVIEW**

This plan is published to aid the Naval Surface Warfare Center (NSWC) in identifying the facilities, equipment, and environment required to receive and operate the Advanced Schematic-Capture Automation, Navy (ASCAN) system and all associated Government-furnished equipment (GFE). This plan identifies how the site survey will be performed, and will be used as a guide to perform the actual site survey prior to Navy acceptance and shipment of the ASCAN system. The site survey will be performed at NSWC facilities, Crane, Indiana. Upon completion of the site survey, a site-survey report will be issued to the Navy. The report will detail the results of the site survey, providing comments on facility deficiencies, and making suggestions to correct identified facility deficiencies.

### **1.1 Required Personnel**

A ManTech site-survey team, in conjunction with Navy personnel, will be performing the site survey. We anticipate that the ManTech site-survey team will include a systems administration specialist, a hardware specialist, and a software specialist. We request that Navy personnel be present during the site-survey to provide assistance in gaining access to facility areas where the ASCAN hardware will be installed, and answer site-survey team members' questions. We recommend that Navy personnel familiar with the ASCAN system participate in the site survey.

### **1.2 Site-Survey Agenda**

The site survey is tentatively scheduled to take place at NSWC facilities October 5-8, 1993. The site-survey report is tentatively scheduled for delivery on October 20, 1993. A pre-site-survey interview will be held prior to performing the site survey. The purpose of this interview is

- To introduce site-survey personnel.
- To discuss site-survey objectives.
- To provide a forum for questions/answers.

Following the site survey, ManTech personnel will be available to debrief Navy personnel on site-survey findings.

## **2 ASCAN SYSTEM REQUIREMENTS**

The ASCAN software will be provided on 5.25-in. diskettes. This medium will contain all the source code and make files required to compile the system executables. The following hardware is required to install, compile, and operate this system:

- 586/66 MHz personal computer (PC).
- 32 MB random access memory (RAM).
- 1.05 GB on-line storage.
- 5.25-in. floppy diskette drive.
- Ethernet adaptor card.
- 20-in. monitor and graphics adapter (capable of 1280x1024 resolution).
- One open ISA card slot.

Computers using the ASCAN software should be loaded with the following system software:

- Microsoft MS-DOS (Version 5.0 or higher).
- Microsoft Windows Version 3.1
- Windows graphics drivers appropriate for the installed graphics board.
- Network software appropriate to the local area network (LAN) installed at NSWC.
- Microsoft Word for Windows Version 2.0 or higher (optional).
- Microsoft Help compiler (optional).
- Borland C++ Version 3.1 (optional).

A properly configured PC must be attached, and have access to the NSWC LAN. ManTech personnel will be available to answer any questions the Navy may have concerning proper PC configuration.

## **3 GOVERNMENT-FURNISHED EQUIPMENT GENERAL REQUIREMENTS**

The VISUS high-resolution and Eagle 4080ET scanners require stable, vibration-resistant locations. The following list identifies equipment requiring BNC/Thin Ethernet LAN connections:

- VISUS high-resolution scanner.
- Intergraph 6700 server/workstation.
- Apollo workstations.
- PC scanner controller.
- Large-format binary convolver.

### 3.1 Space Requirements

The floor or counter space required for installation of GFE that will be returned to the Government prior to project completion is given below:

<u>Item</u>	<u>Quantity</u>	<u>Length</u>	<u>Width</u>	<u>Height</u>
<u>Floor Items:</u>				
VISUS high-resolution scanner.	1	72.0 in.	48.0 in.	56.0 in.
Intergraph 6700 server/workstation	1	16.0 in.	11.5 in.	25.5 in.
Eagle 4080ET drawing scanner	1	26.0 in.	58.0 in.	39.0 in.

<u>Item</u>	<u>Quantity</u>	<u>Length</u>	<u>Width</u>	<u>Height</u>
<u>Counter Items:</u>				
Apollo workstations	3			
Central processing unit (CPU)		17.5 in.	21.0 in.	7.0 in.
Monitor		17.0 in.	15.5 in.	17.0 in.
Keyboard		7.5 in.	20.5 in.	1.5 in.
Intergraph	1			
Monitor		20.0 in.	11.5 in.	25.5 in.
Keyboard		7.0 in.	17.5 in.	5.0 in.
Tape drive		11.5 in.	10.0 in.	5.0 in.
PC scanner controller	1			
CPU		16.5 in.	21.0 in.	6.5 in.
Monitor		12.5 in.	15.0 in.	11.0 in.
Keyboard		8.0 in.	18.5 in.	2.0 in.
Ricoh B-Size scanner	1	27.0 in.	48.0 in.	15.0 in.
Large-format binary convolver	1	16.5 in.	21.0 in.	6.5 in.
VISUS high-resolution-scanner accessories				
Monitor	1	15.0 in.	14.0 in.	16.0 in.
Keyboard	1	4.5 in.	8.0 in.	2.0 in.

### 3.2 Electrical Requirements

GFE equipment requiring connection to a 120-VAC, 60-Hz power source with approximately 20-amp capacity per connection is listed below:

<u>Item</u>	<u>Number of Connections</u>
Intergraph 6700	1
Eagle 4080ET scanner	1
VISUS high-resolution scanner	2
Apollo workstations	6
Ricoh scanner	1
PC scanner controller	2
Large-format binary convolver	1

#### **4 ENVIRONMENTAL REQUIREMENTS**

ASCAN equipment is affected by heat and humidity. The work space(s) allocated for this equipment requires air conditioning and heating that provide an environment within the following parameters:

Temperature:	50 to 80 degrees Fahrenheit
Relative Humidity:	40 to 80%

#### **5 SITE-SURVEY CHECKLIST**

The following checklist will be used by ManTech site-survey team personnel as a guide to evaluate NSWC facilities. The completed site-survey checklist will be attached and submitted as part of the site-survey report.

## SITE-SURVEY CHECKLIST

Site Location: \_\_\_\_\_ Survey Date: \_\_\_\_\_

Items Being Inspected	Quantity/ Parameters	Satisfactory	Unsatisfactory
<b>Floor Space Requirements:</b>			
VISUS high-resolution scanner 72in. x 48in. x 56in.	1		
Intergraph 6700 server 16in. x 11.5in. x 25.5in.	1		
Eagle 4080ET drawing scanner 26in. x 58in. x 39in.	1		
<b>Counter Space Requirements:</b>			
Apollo work stations: CPU 17.5in. x 21.0in. x 7in. Monitor 17in. x 15.5in. x 5in. Keyboard 7.5in. x 20.5in. x 1.5in.	3		
Intergraph: Monitor 20in. x 11.5in. x 25.5in. Keyboard 7.0in. x 17.5in. x 5in. Tape drive 11.5in. x 10in. x 5in.	1		
PC scanner controller: CPU 16.5in. x 21in. x 6.5in. Monitor 12.5in. x 15in. x 11in. Keyboard 8in. x 18.5in. x 2in.	1		
Ricoh B-Size scanner 27in. x 48in. x 15in.	1		
Large-format binary convolver 16.5in. x 21in. x 6.5in.	1		
VISUS scanner accessories:			
Monitor 15in. x 14in. x 16in.	1		
Keyboard 4.5in. x 8in. x 2in.	1		
<b>Electrical Requirements:</b>			
120-VAC, 60-Hz, 20-amp capacity	14		
<b>Environmental Requirements:</b>			
Temperature	50-80°F		
Humidity	40 - 80%		
Flooring Stability			



Items Being Inspected	Quantity of Items	Satisfactory	Unsatisfactory
Minimum Hardware Requirements:			
586/66 MHz PC	1		
32 MB. RAM	1		
1.05 GB On-line Storage	1		
5.25-in. floppy diskette drive	1		
Ethernet adapter card	1		
20-in. monitor and graphics adapter (1280 x 1024 resolution)	1		
Open ISA card slot	1		
Minimum Software Requirements:			
Microsoft MS-DOS (Ver. 5.0 or newer)	1		
Microsoft Windows v3.1	1		
Microsoft Word for Windows (Ver. 2.0 or newer)	1		
Microsoft Help compiler	1		
Borland C++ v3.1	1		
Windows graphics drivers	1		
Network software (LAN)	1		

Site-Survey Team members:

ManTech members:

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Government members:

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